



SIGNAL PROCESSING APPARATUS AND METHODS

ABSTRACT

of the Disclosure

A unified system of programing communication. The
5 system encompasses the prior art (television, radio,
broadcast hardcopy, computer communications, etc.) and new
user specific mass media. Within the unified system,
parallel processing computer systems, each having an input
(e.g., 77) controlling a plurality of computers (e.g., 205),
10 generate and output user information at receiver stations.
And a broadcast control, local computers (73, 205), combine
user information selectively into prior art communications to
exhibit personalized mass media programming at video monitors
(202), speakers (263), printers (221), etc. At intermediate
15 transmission stations (e.g., cable television stations),
signals in network broadcasts and from local inputs (74, 77,
97, 98) control processors (71) and computers (73) to
selectively automate connection and operation of receivers
(53), recorder/players (76), computers (73), generators (82),
20 strippers (81), etc. At receiver stations, signals in
received transmissions and from local inputs (225, 203, 22)
control processors (200) and computers (205) to automate
connection and operation of converters (201), tuners (215),
decryptors (224), recorder/players (217), computers (205),
25 furnaces (206), etc. Processors (71, 200) meter and monitor
availability and usage of programming.